## **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
[5]	632	(access adj right) with ((retrieval adj condition) or attribute or ((creat\$3 or generat\$6) near2 date) or (date near time) or timestamp or (time adj stamp))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/16 12:55
L2	316	1 and document	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/16 12:55
L3	171	2 and access adj control	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/16 12:56

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 Capitalize <u>proper nouns</u> to search for specific people, places, or products.

John Colter, Netscape Navigator

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"museum of natural history" "museum of modern art"

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museum +art

Exclude pages by using a - if a search term must not appear on a page.

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museum +"natural history" dinosaur -Chicago

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## THE ACH DIG TALL ISRAFY

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Relevance scale

An approach to integration of Web information source search and Web information



retrieval

Yuichi Lizuka, Mitsuaki Tsunakawa, Shin-ichiro Seo, Tetsuo Ikeda

window

Search Tips

March 2000 Proceedings of the 2000 ACM symposium on Applied computing - Volume

**Publisher: ACM Press** 

Full text available: pdf(807.66 KB) Additional Information: full citation, references, citings, index terms

Keywords: WWW, heterogeneous information sources, information resource management, mediator, universal relation

A modification support system—automatic correction of side—effects caused by type



modifications

T. Tenma, Y. Sato, Y. Morimoto, M. Tanaka, T. Ichikawa

January 1990 Proceedings of the 1990 ACM annual conference on Cooperation

**Publisher: ACM Press** 

Full text available: pdf(874.27 KB) Additional Information: full citation, abstract, references, index terms

Programmers modify software for many reasons. When a part of a software is modified, side-effects of the modification are propagated to other parts of the software. By correcting these side-effects automatically, the productivity and the reliability of software development increases. This paper proposes an approach based on constraints and component-based software representation for detecting and correcting side-effects. A system based on the approach for type modifications is presented. Th ...

3 ATLAS: A geographic database system data structure and language design for



geographic information

Tateyuki Tsurutani, Yutaka Kasahara, Masaru Naniwada

July 1980 ACM SIGGRAPH Computer Graphics, Proceedings of the 7th annual conference on Computer graphics and interactive techniques SIGGRAPH

**'80**. Volume 14 Issue 3

Publisher: ACM Press

Full text available: pdf(410.86 KB)

Additional Information: full citation, abstract, references, citings, index terms

The design concepts and languages of a geographic information system ATLAS (Administration and Total Landuse Analysis Support system) are proposed. The database structure is designed based on the geographic information structure concepts which contain semantic structure, topological structure and location structure. For a flexible user interface, the system provides ...

Keywords: Cartography, Database, Geographic information structure, Geographic information system, Graphic language, Regional analysis, Regional planning, Thematic

An algebraic model of information structure and information processing Isamu Kobayashi

August 1972 Proceedings of the ACM annual conference - Volume 2

Publisher: ACM Press

Full text available: pdf(1.40 MB)

Additional Information: full citation, abstract, references, citings, index terms

This paper intends to clarify logical and physical information structures and essential operations in the data processing on them. Basic terminologies are due to Information Algebra originally proposed by CODASYL Language Structure Group in 1961, however, several new concepts have been introduced to ease the discussion from the software implementation point of view. The paper is included in internal research memorandom titled "Data Base Management Systems - a Theory and a Practice,&rd ...

Keywords: Data base, Data base management, Indexing, Information algebra, Information storage and retrieval, Information structure

Papers: A CD-ROM retrieval system with multiple dialogue agents

Keiichi Sakai, Tsuyoshi Yagisawa, Minoru Fujita

August 1996 Proceedings of the 16th conference on Computational linguistics -Volume 1

Publisher: Association for Computational Linguistics

Full text available: pdf(531.94 KB) Additional Information: full citation, abstract, references

In this paper, we proposed a new dialogue system with multiple dialogue agents. In our new system, three types of agents: a) domain agents, b) strategy agents, and c) context agents were realized. They give the following advantages to the user: • the domain agents make the user aware of the boundary between the domains. • the strategy agents make the user aware of the difference between the strategies. • the context agents help the user to deal with multiple goals. We expect that the ...

Some considerations in database application programming

Isao Miyamoto

October 1976 Proceedings of the 2nd international conference on Software enaineerina

**Publisher: IEEE Computer Society Press** 

Full text available: pdf(950,40 KB) Additional Information: full citation, abstract, references, index terms

This paper describes the experimental approach to achieve the higher productivity, reliability, maintainability and the performance in the database application programming or of the programs. We have practiced the structured programming on the database processings in order to write the reliable database application programs. Then we introduce the simulated forms of the basic control structures in COBOL which is the host language, the structured representations of the DML (Data Ma ...

**Keywords**: Control structure, Data locality, Data manipulation language, Database system, Maintainability, Performance, Productivity, Reliability, Structured programming, Tool

7	Evaluating the technologies: The text retrieval conferences (TRECS)  Ellen M. Voorhees, Donna Harman  October 1998 Proceedings of a workshop on held at Baltimore, Maryland: October 13- 15, 1998				
	Publisher: Association for Computational Linguistics  Full text available: pdf(2.76 MB) Additional Information: full citation, abstract, references				
	Phase III of the TIPSTER project included three workshops for evaluating document detection (information retrieval) projects: the fifth, sixth and seventh Text REtrieval Conferences (TRECs). This work was co-sponsored by the National Institute of Standards and Technology (NIST), and included evaluation not only of the TIPSTER contractors, but also of many information retrieval groups outside of the TIPSTER project. The conferences were run as workshops that provided a forum for participating gro				
8	A dual structured data base system				
٥	W. O. Clark, L. L. Shannon  November 1973 ACM SIGPLAN Notices, ACM SIGIR Forum, Proceedings of the 1973  meeting on Programming languages and information retrieval  SIGPLAN '73, Volume 10, 9 Issue 1, 3				
	Publisher: ACM Press  Full text available: pdf(1.01 MB) Additional Information: full citation, references				
9 <b>③</b>	Incomplete information costs and database design Haim Mendelson, Aditya N. Saharia June 1986 ACM Transactions on Database Systems (TODS), Volume 11 Issue 2 Publisher: ACM Press				
	Full text available: pdf(1.35 MB)  Additional Information: full citation, abstract, references, citings, index terms				
	This paper presents a methodology for trading-off the cost of incomplete information against the data-related costs in the design of database systems. It investigates how the usage patterns of the database, defined by the characteristics of information requests presented to it, affect its conceptual design. The construction of minimum-cost answers to information requests for a variety of query types and cost structures is also studied. The resulting costs of incomplete database information				
10	Incremental maintenance of materialized OQL views				
•	M. Akhtar Ali, Alvaro A. A. Fernandes, Norman W. Paton November 2000 Proceedings of the 3rd ACM international workshop on Data warehousing and OLAP				
	Publisher: ACM Press Full text available: pdf(274.95 KB) Additional Information: full citation, references, citings, index terms				
11	Document image retrieval without OCRing using a video scanning system Ercan E. Kuruoglu, Vern T. Tan November 2000 Proceedings of the 2000 ACM workshops on Multimedia				
	Publisher: ACM Press				

Full text available: pdf(628.12 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we propose a technique for efficient document retrieval from digital libraries containing document images which are token based compressed. The query image is captured from a paper document by the video scanning tool of a multimedia system. The technique we propose uses the layout information supplied by the relative positions of the character tokens on the page of a "query" paper document to retrieve the original document in the image database. This technique avoid ...

**Keywords**: document image databases, image similarity retrieval, multimedia systems, video scanning

FORMANAGER: an office forms management system

S. Bing Yao, Alan R. Hevner, Zhongzhi Shi, Dawei Luo
August 1984 ACM Transactions on Information Systems (TOIS), Volume 2 Issue 3
Publisher: ACM Press
Full text available: pdf(1.35 MB) Additional Information: full citation, citings, index terms

13 The generalized retrieval problem

A. Bookstein

May 1981 ACM SIGIR Forum, Proceedings of the 4th annual international ACM SIGIR conference on Information storage and retrieval: theoretical issues in information retrieval SIGIR '81, Volume 16 Issue 1

**Publisher: ACM Press** 

Full text available: pdf(516.57 KB) Additional Information: full citation, references

14 ABSTRACTS: J - S I G S AM Japanese Special Interest Group on Symbolic and Algebraic Computation and Report of the Last Seasonal Meeting

Franz Winkler

May 1987 ACM SIGSAM Bulletin, Volume 21 Issue 2

**Publisher: ACM Press** 

Full text available: pdf(202.79 KB) Additional Information: full citation, abstract

In September, 1984, Japanese SIGSAM was formed in Japan Society of Software Science and Technology. The first chairman is Dr. Tateaki Sasaki, The Institute of Physical and Chemical Research, and the working committee members are Dr. Naoto Niki, The Institute of Statistical Mathematics, Prof. Hidetsune Kobayashi, Department of Mathematics, Nihon University, Mr. Yoshinari Fukui, Total Information System Division, Toshiba Corporation, and Mr. Akio Furukawa, Department of Mathematics, Tokyo Metropol ...

15 Informatics: semantic processing: Text analysis learning strategies
Pierre Plante

September 1980 Proceedings of the 8th conference on Computational linguistics

Publisher: Association for Computational Linguistics

Full text available: pdf(463.42 KB) Additional Information: full citation, abstract, references

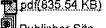
APLEC (l'APrenti-LECteur - or Learning Reader) is an extension of the Déredec software, a programming system devoted to the content analysis and linguistic treatment of texts. APLEC will associate automatically to any text descriptive grammar (TDG - Grammaire descriptive de texte) a question/answer module where the questions are asked in a given natural language by the user, and where the answers are tracked down in the textual corpus undergoing examination.

16	Information classification and navigation based on 5W1H of the target information  Takahiro Ikeda, Akitoshi Okumura, Kazunori Muraki  August 1998 Proceedings of the 17th international conference on Computational linguistics - Volume 1, Proceedings of the 36th annual meeting on Association for Computational Linguistics - Volume 1  Publisher: Association for Computational Linguistics , Association for Computational Linguistics  Full text available: pdf(940.83 KB)  Additional Information: full citation, abstract, references  Publisher Site  This paper proposes a method by which 5W1H (who, when, where, what, why, how, and predicate) information is used to classify and navigate Japanese-language texts. 5W1H information, extracted from text data, has an access platform with three functions: episodic retrieval, multi-dimensional classification, and overall classification. In a sixmonth trial, the platform was used by 50 people to access 6400 newspaper articles. The three functions proved to be effective for office documentation work a	
17	Papers: A page-transition framework for image-oriented Web programming Takao Shimomura March 2004 ACM SIGSOFT Software Engineering Notes, Volume 29 Issue 2	
	Publisher: ACM Press	
	Full text available: pdf(1.52 MB) Additional Information: full citation, abstract, references  To develop Web applications, various integrated development environments have been used. In addition, several frameworks for efficiently developing those applications have been proposed. This paper presents the image-oriented page-transition framework that models a Web application as a set of transitions of Web pages, and using visual components, makes it easier to write processes executed when a Web page transfers to another Web page. This page-transition framework has the following novel featu  Keywords: Web application, automatic code generation, image-oriented design, page-transition framework	
18	A Modification Request Control System	<u></u>
	D. B. Knudsen, A. Barofsky, L. R. Satz October 1976 Proceedings of the 2nd international conference on Software engineering Publisher: IEEE Computer Society Press Full text available: Additional Information: full citation, abstract, references, citings, index terms  The Modification Request Control System (MRCS) tracks and reports project change requests and resulting activity through interactive input and extraction of change request data from computer files. MRCS is one of the tools available as part of the Programmer's Workbench (PWB). It was developed to aid in the timely control and coordination of software changes. It provides the capability to: (1) interactively create, update, and print MRS; (2) track and record the flow of the MR through the s  Keywords: Project management, Software control, UNIX	
19	Explicit Expression and Simultaneous Optimization of Placement and Routing for Analog IC Layouts Yukiko Kubo, Shigetoshi Nakatake, Yoji Kajitani, Masahiro Kawakita January 2002 Proceedings of the 2002 conference on Asia South Pacific design	

#### automation/VLSI Design

Publisher: IEEE Computer Society

Full text available: pdf(835.54 KB)



Additional Information: full citation, abstract

Our target is automation of analog circuit's layout, which is a bottleneck in mixed-signal's design. We formulate the layout explicitly considering manufacturing process, and propose an algorithm that consists of simultaneous expression and optimization of placement and routing. The key is that all the cells and wires are represented by rectangles. The algorithm is combined into a commercial tool, and the performance convinced us that the utilization shortens the design time.

Keywords: analog design, mixed signal design, placement, shape-based layout, sequence-pair

20 The human-computer interface in information systems design: The effect of data model, system and task characteristics on user query performance; an empirical study

Hock Chan, Keng Siau, Kwok-Kee Wei

December 1997 ACM SIGMIS Database, Volume 29 Issue 1

**Publisher: ACM Press** 

Full text available: pdf(1.48 MB)

Additional Information: full citation, abstract, references, citings, index terms

With the proliferation of end-user computing and empowerment of end users in the organizations, the user-database interface is increasingly being recognized as an important research area. A user-database interface consists of two key components: the data model and the query language. Database management system designers can manipulate these two components to produce an effective database interface to maximize user task performance. However, in order to do this, the designers first need to know  ${\sf t} \dots$ 

**Keywords:** entity-relationship model, relational model, textual query language, userdatabase interface, visual query language

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Relevance scale

Computer security (SEC): An attribute-based access matrix model

Xinwen Zhang, Yingjiu Li, Divya Nalla

March 2005 Proceedings of the 2005 ACM symposium on Applied computing SAC '05

Publisher: ACM Press

Full text available: pdf(106.94 KB) Additional Information: full citation, abstract, references, index terms

In traditional access control models like MAC, DAC, and RBAC, authorization decisions are determined according to identities of subjects and objects, which are authenticated by a system completely. Modern access control practices, such as DRM, trust management, and usage control, require flexible authorization policies. In such systems, a subject may be only partially authenticated according to one or more attributes. In this paper we propose an attribute-based access matrix model, named ABAM, w ...

Keywords: access control, access matrix model, decidability, safety analysis

2 Team-and-role-based organizational context and access control for cooperative

hypermedia environments

Weigang Wang

February 1999 Proceedings of the tenth ACM Conference on Hypertext and hypermedia: returning to our diverse roots: returning to our diverse roots

**Publisher: ACM Press** 

Full text available: R pdf(2.13 MB) Additional Information: full citation, references, citings, index terms

Keywords: cooperative hypermedia, coordination, groupware, process support, rolebased access control, workflow

Policies and roles in collaborative applications

W. Keith Edwards

November 1996 Proceedings of the 1996 ACM conference on Computer supported cooperative work

**Publisher: ACM Press** 

Full text available: pdf(1.28 MB) Additional Information: full citation, references, citings, index terms Keywords: Intermezzo, access control, computer-supported cooperative work, infrastructure, policies, roles

4 Managing trust between collaborating companies using outsourced role based





access control

Thomas Hildmann, Jörg Barholdt

October 1999 Proceedings of the fourth ACM workshop on Role-based access control

Publisher: ACM Press

Full text available: 📆 pdf(885.42 KB) Additional Information: full citation, references, citings, index terms

Applications: Rule support for role-based access control



Axel Kern, Claudia Walhorn

June 2005 Proceedings of the tenth ACM symposium on Access control models and technologies

**Publisher: ACM Press** 

Full text available: to pdf(218.86 KB) Additional Information: full citation, abstract, references, index terms

The administration of users and access rights in large enterprises is a complex and challenging task. Role-based access control (RBAC) is a powerful concept for simplifying access control. In particular, Enterprise Roles spanning across different IT systems are increasingly used as a basis for company-wide security management. However, the administration of roles in large organisations can become quite cumbersome and needs to be automated. During the past years, rules have been used to support au ...

Keywords: SAM Jupiter, automated identity management, directoriescase studies, enterprise role-based access control (ERBAC), provisioning engine, role-based access control (RBAC), rule engine, rulesaccess rights, security administration, security provisioning

6 Role and task-based access control in the PerDiS groupware platform George Coulouris, Jean Dollimore, Marcus Roberts





October 1998 Proceedings of the third ACM workshop on Role-based access control

Publisher: ACM Press

Full text available: pdf(1.01 MB) Additional Information: full citation, references, index terms

7 Access control: First experiences using XACML for access control in distributed





Markus Lorch, Seth Proctor, Rebekah Lepro, Dennis Kafura, Sumit Shah October 2003 Proceedings of the 2003 ACM workshop on XML security

**Publisher: ACM Press** 



Additional Information: full citation, abstract, references, citings, index terms, review

Authorization systems today are increasingly complex. They span domains of administration, rely on many different authentication sources, and manage permissions that can be as complex as the system itself. Worse still, while there are many standards that define authentication mechanisms, the standards that address authorization are less well defined and tend to work only within homogeneous systems. This paper presents

XACML, a standard access control language, as one component of a distributed a ...

Keywords: access control decision, access control enforcement, authorization, distributed system security, policy language, policy management

8 Improving the granularity of access control for Windows 2000



Michael M. Swift, Anne Hopkins, Peter Brundrett, Cliff Van Dyke, Praerit Garg, Shannon Chan, Mario Goertzel, Gregory Jensenworth

November 2002 ACM Transactions on Information and System Security (TISSEC), Volume 5 Issue 4

Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(447.78 KB)

This article presents the mechanisms in Windows 2000 that enable fine-grained and centrally managed access control for both operating system components and applications. These features were added during the transition from Windows NT 4.0 to support the Active Directory, a new feature in Windows 2000, and to protect computers connected to the Internet. While the access control mechanisms in Windows NT are suitable for file systems and applications with simple requirements, they fall short of the ...

Keywords: Access control lists, Microsoft Windows 2000, Windows NT, active directory

NetWare 4 as an example of role-based access control



Jeremy Epstein, Ravi Sandhu

December 1996 Proceedings of the first ACM Workshop on Role-based access control

**Publisher: ACM Press** 

Full text available: pdf(812.01 KB) Additional Information: full citation, references, citings, index terms

10 The uses of role hierarchies in access control



Jonathan D. Moffett, Emil C. Lupu

October 1999 Proceedings of the fourth ACM workshop on Role-based access control Publisher: ACM Press

Full text available: pdf(856.14 KB) Additional Information: full citation, references, citings, index terms

11 Security in middleware: Secure event types in content-based, multi-domain



publish/subscribe systems

Lauri I. W. Pesonen, Jean Bacon

September 2005 Proceedings of the 5th international workshop on Software engineering and middleware SEM '05

Publisher: ACM Press

Full text available: pdf(464.70 KB) Additional Information: full citation, abstract, references

Publish/subscribe research has so far been mostly focused on efficient event routing, event filtering, and composite event detection. The little research that has been published regarding security in publish/subscribe systems has been tentative at best. This paper presents a model for secure type names, and definitions for type-checked, content-based publish/subscribe systems. Our model provides a cryptographically verifiable binding between type names and type definitions. It also produces self ...



Access control for network directory systems

M Goodwin, K J McDonell



**Publisher: ACM Press** 

Full text available: R pdf(809.60 KG) Additional Information: full citation, abstract, references, index terms

Directory Systems to support communications networks are currently the subject of serious international standardization efforts. The most recent CCITT and ISO proposals for Directory Systems are summarized, and within this context the requirements for flexible and robust access control mechanisms are examined. The existence of varied access control policies at the international, national and local levels and the need to maintain the integrity of Directory System information are identified a ...

13 Access control in collaborative systems



Publisher: ACM Press

Full text available: ndf(247.34 KB) Additional Information: full citation, abstract, references, index terms

Balancing the competing goals of collaboration and security is a difficult, multidimensional problem. Collaborative systems often focus on building useful connections among people, tools, and information while security seeks to ensure the availability, confidentiality, and integrity of these same elements. In this article, we focus on one important dimension of this problem---access control. The article examines existing access control models as applied to collaboration, highlighting not only th ...

**Keywords**: Access control, collaboration, security models

14 Applications: The PERMIS X.509 role based privilege management infrastructure

David W. Chadwick, Alexander Otenko

June 2002 Proceedings of the seventh ACM symposium on Access control models and technologies

**Publisher: ACM Press** 

Additional Information: full citation, abstract, references, citings, index Full text available: pdi(180,46 KB) terms

This paper describes the output of the PERMIS project, which has developed a role based access control infrastructure that uses X.509 attribute certificates (ACs) to store the users' roles. All access control decisions are driven by an authorization policy, which is itself stored in an X.509 attribute certificate, thus guaranteeing its integrity. All the ACs can be stored in one or more LDAP directories, thus making them widely available. Authorization policies are written in XML according to a ...

Keywords: Privilege management infrastructure, RBAC, X.509, XML, attribute certificates, authorization, policies

15 AIE support for management of embedded computer projects

Gary Bray

July 1982 ACM SIGAda Ada Letters, Volume II Issue 1

Publisher: ACM Press

Full text available: pdf(688.87

KB)

Additional Information: full citation, references

http://portal.acm.org/results.cfm?coll=ACM&dl=ACM&CFID=78627517&CFTOKEN=981... 6/16/06









16 Towards a secure platform for distributed mobile object computing



April 2000 ACM SIGOPS Operating Systems Review, Volume 34 Issue 2

**Publisher: ACM Press** 

Full text available: pdf(1.42 MB) Additional Information: full citation, abstract, index terms

We present some issues relevant to the design of a secure platform for distributed mobile computing, that goes beyond existing ad-hoc approaches to software mobility. This platform aims to support wide-area computing applications such as active network infrastructures or network supervision tools. Our contribution is two-fold: the first part of the paper is a survey of the security features of a few languages and virtual machines as regards authentication, access control, and communications secu ...

17 Process-oriented approach for role-finding to implement role-based security



July 2000 Proceedings of the fifth ACM workshop on Role-based access control

Publisher: ACM Press

Full text available: pdf(101.78 KB) Additional Information: full citation, abstract, references, citings, index

In this paper we describe the work in progress with a process-oriented approach for rolefinding to implement Role-Based Security Administration. Our results stem from using a recently proposed role model and procedural model at Siemens AG ICN, a large industrial organization. The core of this paper presents the data model, which integrates business processes, role based security administration and access control. Moreover, a structured top-down approach is outlined which is the ...

Keywords: access control, authorizations, business processes, enterprise process modeling, heterogeneous systems, role based access control, security administration. security data models, security management, security models, single point of administration and control

18 An object-based virtual operating system for the Ada programming support



January 1982 ACM SIGOPS Operating Systems Review, Volume 16 Issue 1

**Publisher: ACM Press** 

Full text available: pdf(463.41 KB) Additional Information: full citation, abstract, references

As part of a major effort to increase programmer productivity, the U.S. Department of Defense has supported the design of an Ada Programming Support Environment (APSE) based on the Pebbleman/Stoneman sequence of documents [4]. We have recently completed the first phase of this design, incorporating a standardized re-hostable virtual operating system and a retargetable Ada compiler with appropriate support tools. To support the coexistence on this system of many large and small software developme ...

19 A case study in access control requirements for a Health Information System Mark Evered, Serge Bögeholz

January 2004 Proceedings of the second workshop on Australasian information security, Data Mining and Web Intelligence, and Software Internationalisation - Volume 32 CRPIT '04

Publisher: Australian Computer Society, Inc.

Full text available: pdf(150.71 KB) Additional Information: full citation, abstract, references

We present a detailed examination of the access constraints for a small real-world Health Information System with the aim of achieving minimal access rights for each of the involved principals. We show that, even for such a relatively simple system, the resulting constraints are very complex and cannot be expressed easily or clearly using the static per-method access control lists generally supported by component-based software. We derive general requirements for the expressiveness of access con ...

**Keywords**: Health Information System, access control, component

20 sTeam: structuring information in team-distributed knowledge management in cooperative learning environments

August 2001 Journal on Educational Resources in Computing (JERIC)

Publisher: ACM Press

Additional Information: full citation, abstract, references, index terms, Full text available: pdf(179.03 KB) review

Learning is a socially embedded design process. But most of todays hypermedia systems fail to properly support the design-related and the social aspects of learning. Authoring and Web-publishing systems aim to support the authors design processes. Consequently, the activities of learners are confined to selecting and reading. Based on some fundamental reflections on the role of technology in learning processes, we conclude that top priority must be given to the construction of infrastructur ...

**Keywords**: cooperative learning, cooperative support, learner-centered approaches, sTeam (structuring information in a team), web-based learning and teaching

Results 1 - 20 of 200 Result page: **1** <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u> next

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Relevance scale

XML access control: Access control of XML documents considering update



operations

Chung-Hwan Lim, Seog Park, Sang H. Son

October 2003 Proceedings of the 2003 ACM workshop on XML security

Publisher: ACM Press

Full text available: pdf(298.78 KB) Additional Information: full citation, abstract, references, index terms

As a large quantity of information is presented in XML format on the Web, there are increasing demands for XML security. Until now, research on XML security has been focused on the security of data communication using digital signatures or encryption technologies. As XML is also used for a data representation of data storage, XML security comes to involve not only communication security but also managerial security. Managerial security is guaranteed through access control, but existing XML acces ...

Keywords: XML document, XML update, access control

2 Key management and key exchange: A temporal key management scheme for



secure broadcasting of XML documents

Elisa Bertino, Barbara Carminati, Elena Ferrari

November 2002 Proceedings of the 9th ACM conference on Computer and communications security

**Publisher: ACM Press** 

Full text available: pdf(242,89 KB) Additional Information: full citation, abstract, references, index terms

Secure broadcasting of web documents is becoming a crucial need for many web-based applications. Under the broadcast document dissemination strategy a web document source periodically broad-casts (portions of) its documents to a possibly large community of subjects, without the need of explicit subject requests. By secure broadcasting we mean that the delivery of information to sub-jects must obey the access control policies of the document source. Since different subjects may have the right to ...

**Keywords**: XML, secure broadcasting, temporal key management

Copyrights and access-rights: Experiences with the enforcement of access rights extracted from ODRL-based digital contracts





Susanne Guth, Gustaf Neumann, Mark Strembeck

# October 2003 Proceedings of the 3rd ACM workshop on Digital rights management DRM '03

**Publisher: ACM Press** 

Full text available: pdf(241.29 KB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> <u>terms</u>

In this paper, we present our experiences concerning the enforcement of access rights extracted from ODRL-based digital contracts. We introduce the generalized *Contract Schema* (CoSa) which is an approach to provide a generic representation of contract information on top of rights expression languages. We give an overview of the design and implementation of the xoRELInterpreter software component. In particular, the xoRELInterpreter interprets digital contracts that are based on rights exp ...

4 Access control for XML document: Generalized XML security views

Gabriel Kuper, Fabio Massacci, Nataliya Rassadko

June 2005 Proceedings of the tenth ACM symposium on Access control models and technologies

Publisher: ACM Press

Full text available: pdf(168.30 KB) Additional Information: full citation, abstract, references, index terms

We investigate a generalization of the notion of XML security view introduced by Stoica and Farkas [17] and later refined by Fan et al. [8]. The model consists of access control policies specified over DTDs with XPath expression for data-dependent access control policies. We provide the notion of *security views* for characterizing information accessible to authorized users. This is a transformed (sanitized) DTD schema that can be used by users for query formulation and optimization. Then w ...

Keywords: XML access control, XML views, XPath

5 Exchange of patient records-prototype implementation of a security attributes service



in X.500

Marjan Jurečič, Herbert Bunz

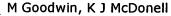
November 1994 Proceedings of the 2nd ACM Conference on Computer and communications security

Publisher: ACM Press

Full text available: pdf(884.04 KB) Additional Information: full citation, abstract, references, index terms

In Europe, the use of computers in health care industry has increased rapidly in recent years. This increase, however, has been accomplished with research efforts in the area of privacy and confidentiality of personal data. In the German legislation, protection of personal data is guaranteed by the constitution, granting a general right to privacy. This constitutional right has been amended by the German Central Court (Bundesverfassungsgericht). It says that each individual has the right to ...

6 Access control for network directory systems



August 1986 ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM conference on Communications architectures & protocols SIGCOMM '86, Volume 16 Issue 3

Publisher: ACM Press

Full text available: pdf(809.60 KB) Additional Information: full citation, abstract, references, index terms

Directory Systems to support communications networks are currently the subject of serious international standardization efforts. The most recent CCITT and ISO proposals for Directory Systems are summarized, and within this context the requirements for flexible and robust access control mechanisms are examined. The existence of varied access

control policies at the international, national and local levels and the need to maintain the integrity of Directory System information are identified a ...

7 Team-and-role-based organizational context and access control for cooperative

hypermedia environments
Weigang Wang

February 1999 Proceedings of the tenth ACM Conference on Hypertext and hypermedia: returning to our diverse roots: returning to our diverse roots

Publisher: ACM Press

Full text available: pdf(2.13 MB) Additional Information: full citation, references, citings, index terms

**Keywords**: cooperative hypermedia, coordination, groupware, process support, role-based access control, workflow

8 Access control for large collections

🏅 H. M. Gladney

April 1997 ACM Transactions on Information Systems (TOIS), Volume 15 Issue 2

**Publisher: ACM Press** 

Full text available: pdf(482.88 KB)

Additional Information: full citation, abstract, references, citings, index terms, review

Efforts to place vast information resources at the fingertips of each individual in large user populations must be balanced by commensurate attention to information protection. For distributed systems with less-structured tasks, more-diversified information, and a heterogeneous user set, the computing system must administer enterprise-chosen access control policies. One kind of resource is a digital library that emulates massive collections of paper and other physical media for clerical, en ...

**Keywords:** access control, digital library, document, electronic library, information security

9 Document management and Web technologies: Alice marries the Mad Hatter

V. Balasubramanian, Alf Bashian

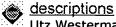
July 1998 Communications of the ACM, Volume 41 Issue 7

**Publisher: ACM Press** 

Full text available: pdf(209.52 KB)

Additional Information: full citation, references, citings, index terms, review

10 An analysis of XML database solutions for the management of MPEG-7 media



Utz Westermann, Wolfgang Klas

December 2003 ACM Computing Surveys (CSUR), Volume 35 Issue 4

**Publisher: ACM Press** 

Full text available: pdf(448.76 KB)

Additional Information: full citation, abstract, references, index terms, review

MPEG-7 constitutes a promising standard for the description of multimedia content. It can be expected that a lot of applications based on MPEG-7 media descriptions will be set up in the near future. Therefore, means for the adequate management of large amounts of MPEG-7-compliant media descriptions are certainly desirable. Essentially, MPEG-7 media

descriptions are XML documents following media description schemes defined with a variant of XML Schema. Thus, it is reasonable to investigate curren ...

Keywords: MPEG-7, XML database systems, multimedia databases

11 Improving the granularity of access control for Windows 2000

Michael M. Swift, Anne Hopkins, Peter Brundrett, Cliff Van Dyke, Praerit Garg, Shannon Chan, Mario Goertzel, Gregory Jensenworth

November 2002 ACM Transactions on Information and System Security (TISSEC),
Volume 5 Issue 4

Publisher: ACM Press

Full text available: pdf(447.78 KB)

Additional Information: full citation, abstract, references, citings, index

This article presents the mechanisms in Windows 2000 that enable fine-grained and centrally managed access control for both operating system components and applications. These features were added during the transition from Windows NT 4.0 to support the Active Directory, a new feature in Windows 2000, and to protect computers connected to the Internet. While the access control mechanisms in Windows NT are suitable for file systems and applications with simple requirements, they fall short of the ...

Keywords: Access control lists, Microsoft Windows 2000, Windows NT, active directory

12 Access control with IBM Tivoli access manager

Günter Karjoth

May 2003 ACM Transactions on Information and System Security (TISSEC), Volume 6
Issue 2

**Publisher: ACM Press** 

Full text available: pdf(367.07 KB)

Additional Information: full citation, abstract, references, citings, index terms

Web presence has become a key consideration for the majority of companies and other organizations. Besides being an essential information delivery tool, the Web is increasingly being regarded as an extension of the organization itself, directly integrated with its operating processes. As this transformation takes place, security grows in importance. IBM Tivoli Access Manager offers a shared infrastructure for authentication and access management, technologies that have begun to emerge in the com ...

Keywords: Access control, WWW security, Web servers, authorization management

13 Policies and roles in collaborative applications

W. Keith Edwards

November 1996 Proceedings of the 1996 ACM conference on Computer supported cooperative work

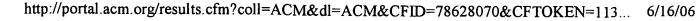
Publisher: ACM Press

Full text available: pdf(1.28 MB) Additional Information: full citation, references, citings, index terms

**Keywords**: Intermezzo, access control, computer-supported cooperative work, infrastructure, policies, roles

14 <u>Document Databases: Requirements for XML document database systems</u>
Airi Salminen, Frank Wm. Tompa







## November 2001 Proceedings of the 2001 ACM Symposium on Document engineering Publisher: ACM Press

Full text available: pdf(141.89 KB)

Additional Information: full citation, abstract, references, citings, index terms

The shift from SGML to XML has created new demands for managing structured documents. Many XML documents will be transient representations for the purpose of data exchange between different types of applications, but there will also be a need for effective means to manage persistent XML data as a database. In this paper we explore requirements for an XML database management system. The purpose of the paper is not to suggest a single type of system covering all necessary features. Instead the pur ...

Keywords: XML, XML database systems, data definition, data manipulation, data modelling, structured documents

15 Certificate-based authorization policy in a PKI environment

Mary R. Thompson, Abdelilah Essiari, Srilekha Mudumbai

November 2003 ACM Transactions on Information and System Security (TISSEC), Volume 6 Issue 4

Publisher: ACM Press

Full text available: pdf(233.63 KB)

Additional Information: full citation, abstract, references, citings, index terms

The major emphasis of public key infrastructure has been to provide a cryptographically secure means of authenticating identities. However, procedures for authorizing the holders of these identities to perform specific actions still need additional research and development. While there are a number of proposed standards for authorization structures and protocols such as KeyNote, SPKI, and SAML based on X.509 or other key-based identities, none have been widely adopted. As part of an effort to us ...

Keywords: Public key infrastructure, XML, digital certificates

16 Controlling access in multiuser interfaces



Prasun Dewan, Honghai Shen

March 1998 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 5 Issue

Publisher: ACM Press

Full text available: pdf(182.07 KB)

Additional Information: full citation, abstract, references, citings, index terms, review

Traditionally, access control has been studied in the areas of operating systems and database management systems. With the advent of multiuser interfaces, there is a need to provide access control in the user interface. We have developed a general framework for supporting access control in multiuser interfaces. It is based on the classical notion of an access matrix, a generalized editing-based model of user-application interaction, and a flexible model of user-user coupling. It has been de ...

Keywords: access control, collaboration, computer-supported cooperative work, groupware, privacy, security, structure editors, user interface management systems

17 A compressed accessibility map for XML

Ting Yu, Divesh Srivastava, Laks V. S. Lakshmanan, H. V. Jagadish

June 2004 ACM Transactions on Database Systems (TODS), Volume 29 Issue 2

**Publisher: ACM Press** 

Full text available:

Additional Information:

pdf(528.00 KB)

full citation, abstract, references, index terms

XML is the undisputed standard for data representation and exchange. As companies transact business over the Internet, letting authorized customers directly access, and even modify, XML data offers many advantages in terms of cost, accuracy, and timeliness. Given the complex business relationships between companies, and the sensitive nature of information, access must be provided selectively, using sophisticated access control specifications. Using the specification directly to determine if a us ...

Keywords: Access control, XML, structural locality

18 Requirements of role-based access control for collaborative systems

Trent Jaeger, Atul Prakash

December 1996 Proceedings of the first ACM Workshop on Role-based access control

Publisher: ACM Press

Full text available: 📆 pdf(824.83 KB) Additional Information: full citation, references, citings, index terms

Data sharing in group work

Irene Greif, Sunil Sarin

April 1987 ACM Transactions on Information Systems (TOIS), Volume 5 Issue 2

Publisher: ACM Press

Full text available: pdf(2.14 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

Data sharing is fundamental to computer-supported cooperative work: People share information through explicit communication channels and through their coordinated use of shared databases. This paper examines the data management requirements of group work applications on the basis of experience with three prototype systems and on observations from the literature. Database and object management technologies that support these requirements are briefly surveyed, and unresolved issues in the par ...

20 An overview of PCTE and PCTE+

Gerard Boudier, Ferdinando Gallo, Regis Minot, Ian Thomas

November 1988 ACM SIGSOFT Software Engineering Notes, ACM SIGPLAN Notices, Proceedings of the third ACM SIGSOFT/SIGPLAN software engineering symposium on Practical software development environments SDE 3, Volume 13, 24 Issue 5, 2

Publisher: ACM Press

Full text available: pdf(1.23 MB)

Additional Information: full citation, abstract, references, citings, index terms

The PCTE project has defined a Public Tool Interface on which Software Engineering Environments can be constructed. The interface definition was put into the public domain in September 1986 and several implementations on several machines now exist. The PCTE+ project was set up to define a Public Tool Interface, based on the PCTE work, that could also serve for the development of defense and other high-security applications. This paper summarises the current status of PCTE activity, presents ...

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#### Policies and roles in collaborative applications

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Publisher ACM Press New York, NY, USA

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